Name: Weekly Math Homework - 9 Teacher:

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| **Monday (wk 9)** | **Tuesday (wk 9)** | **Wednesday (wk 9)** | **Thursday (wk 9)** |
| Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.   |  |  | | --- | --- | | Amy | Cory | | 60 | 25 | | 45 | 40 | | 60 | 30 | | 30 | 45 | | 30 | 40 | | 25 | 30 |   On **average**, how much longer did Amy spend on homework than Cory? | Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.   |  |  | | --- | --- | | Amy | Cory | | 60 | 25 | | 45 | 40 | | 60 | 30 | | 30 | 45 | | 30 | 40 | | 25 | 30 |   What is the **range** for each? What is the difference in the ranges? | Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.   |  |  | | --- | --- | | Amy | Cory | | 60 | 25 | | 45 | 40 | | 60 | 30 | | 30 | 45 | | 30 | 40 | | 25 | 30 |   What is the **median** for each? What is the difference in the 2 medians? | Below is the data for the number of minutes Amy and Cory spent on homework for 6 nights.   |  |  | | --- | --- | | Amy | Cory | | 60 | 25 | | 45 | 40 | | 60 | 30 | | 30 | 45 | | 30 | 40 | | 25 | 30 |   Use the data to make a **comparative inference** about the data. |
| Brooke has a bag of colored marbles. Inside, there are 4 green, 10 black, 5 yellow, 3 red, 7 brown, and 6 pink. Choose whether each statement is **true** or **false** and explain your reasoning.  **A**. Brooke has a 1/7 chance of choosing yellow**.**  **B.** Brooke has a 1/6 chance of choosing a color that is NOT black. | Brooke has a bag of colored marbles. Inside, there are 4 green, 10 black, 5 yellow, 3 red, 7 brown, and 6 pink. Choose whether each statement is **true** or **false** and explain your reasoning..  **A.** Brooke is more likely to choose black or red than yellow or pink.  **B.** Brooke has a 2/7 chance of choosing red or brown. | Tom says that the probability of spinning a 6 is 1/4 because there are 4 sections. Is he correct? If not, what is the probability of spinning a 6? | What is the probability of rolling a 4 or more if the above die is rolled? |
| Which of the statements below could be represented by the expression -10 + (-4)? Write true or false.  A. Kevin owes his mom $10 and owes his dad $4.  B. Courtney earned $10 at her job, then spent $4 on a book. | Which of the statements below could be represented by the expression -5 + 9? Write true or false.  A. Peter dove down 5 feet, then swam up 9 feet.  B. Jennifer earned $5 at her job, then spent $9 on a concert. | Which of the statements below could be represented by the expression 8 + (-4)? Write true or false.  A. Emily gained 8 pounds, then lost 4 pounds  B. Alan scored 8 points in basketball Monday, then scored 4 points Tuesday. | Which of the statements below could be represented by the expression -15 -9? Write true or false.  A. Frank spent $15 on a watch, then spent $9 on a shirt.  B. Sandra earned $15 mowing her lawn, then spent $9 on a game. |
| Write the letter that corresponds to each value on the chart.  A. 10 quarters and 15 dimes  B. 25 nickels and 20 dimes  C. 8 quarters and 25 pennies   |  |  | | --- | --- | | Less than  $3.00 | Greater than  $3.00 | |  |  | |  |  | |  |  | | Write the letter that corresponds to each value on the chart.  A. 8 quarters and 7 dimes  B. 35 nickels and 15 dimes  C. 12 quarters and 55 pennies   |  |  | | --- | --- | | Less than  $3.50 | Greater than  $3.50 | |  |  | |  |  | |  |  | | Write the letter that corresponds to each value on the chart.  A. 15 quarters and 20 dimes  B. 40 nickels and 25 dimes  C. 10 quarters and 25 nickels   |  |  | | --- | --- | | Less than  $4.00 | Greater than  $4.00 | |  |  | |  |  | |  |  | | Write the letter that corresponds to each value on the chart.  A. 8 quarters and 15 dimes  B. 40 nickels and 5 dimes  C. 10 quarters and 65 pennies   |  |  | | --- | --- | | Less than  $2.75 | Greater than  $2.75 | |  |  | |  |  | |  |  | |
| Which expressions have a sum of 0? **Show on a number line.**  A. -4 + (-4)  B. 6 + (-6) | Which expressions have a sum of 0? **Show on a number line.**  A. 4 - (-4)  B. -2 +2 | Which expressions have a sum of 0? **Show on a number line.**  A. 3 + (-3)  B. -5 + (-5) | Which expressions have a sum of 0? **Show on a number line.**  A. -3 - (-3)  B. 7 + (-7) |
| Which number makes this true? -3 + \_\_\_\_\_ = a positive number.  A. -2  B. 4 | Which number makes this true? -5 + \_\_\_\_\_ = a negative number.  A. -2  B. 6 | Which number makes this true? 4 + \_\_\_\_\_ = a negative number.  A. -2  B. -6 | Which number makes this true? -3 + \_\_\_\_\_ = a positive number.  A. 2  B. 5 |